A 2500-2

INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

November 23, 1988

PRODUCTION (000 TONS)

| | (P) OCTOBER 1988 | SEPTEMBER 1988 | OCTOBER 1987 | FIRST TEN MONTHS 1988 | 1987 | % CHANGE YR TO DATE 1988/1987 |
|---|---|---|---|---|---|---|
| PAPER GRADES | | | | | | |
| Newsprint | 507 | 492 | 508 | 4,976 | 4,860 | 2.4 |
| Printing & Writing | 1,842 | 1,822 | 1,819 | 18,265 | 17,271 | 5.8 |
| Uncoated Groundwood (s) | 148 | 141 | 123 | 1,347 | 1,262 | 6.7 |
| Coated Paper (s) | 617 | 606 | 602 | 6,175 | 5,685 | 8.6 |
| Uncoated Free Sheet Paper (s) | 953 | 954 | 966 | 9,482 | 9,112 | 4.1 |
| Thin Paper (s) | 17 | 16 | 21 | 184 | 208 | -11.3 |
| Cotton Fiber Paper (s) | 14 | 13 | 14 | 135 | 137 | -1.8 |
| Bleached Bristols (s) | 93 | 92 | 93 | 942 | 867 | 8.7 |
| Tissue Paper | 470 | 456 | 455 | 4,574 | 4,409 | 3.7 |
| Total Pkg & Other Paper | 435 | 441 | 436 | 4,339 | 4,221 | 2.8 |
| Unbl. Kraft Paper (s) | 248 | 261 | 260 | 2,528 | 2,575 | -1.8 |
| Other Paper | 187 | 180 | 176 | 1,812 | 1,647 | 10.0 |
| TOTAL PAPER | 3,254 | 3,210 | 3,218 | 32,154 | 30,761 | 4.5 |
| PAPERBOARD GRADES | | | | | | |
| Unbleached Kraft Paperboard | 1,582 | 1,590 | 1,564 | 16,130 | 15,749 | 2.4 |
| Unbleached Kraft Linerboard | 1,489 | 1,481 | 1,488 | 15,070 | 14,709 | 2.4 |
| Other Unbl. Kraft Paperboard | 93 | 109 | 77 | 1,060 | 1,040 | 2.0 |
| Semichemical Paperboard | 472 | 472 | 475 | 4,756 | 4,689 | 1.4 |
| Bleached Paperboard | 381 | 355 | 367 | 3,742 | 3,683 | 1.6 |
| Recycled Paperboard | 776 | 711 | 763 | 7,394 | 7,089 | 4.3 |
| TOTAL PAPERBOARD | 3,210 | 3,127 | 3,170 | 32,023 | 31,210 | 2.6 |
| TOTAL PAPER AND PAPERBOARD | 6,465 | 6,337 | 6,387 | 64,177 | 61,971 | 3.6 |

| WOOD PULP (ALL GRADES) | SEPTEMBER 1988 | AUGUST 1988 | SEPTEMBER 1987 | FIRST NINE MONTHS 1988 | 1987 | % Change 88/87 |
|---|---|---|---|---|---|---|
| Dissolving & Special Alpha | 135 | 119 | 112 | 1,030 | 978 | 5.3 |
| Bleached Sulfite ) | 124 | 132 | 122 | 1,153 | 1,072 | 7.6 |
| Unbleached Sulfite ) | | | | | | |
| Bleached & Semi-Bl. Sulfate | 2,121 | 2,299 | 2,047 | 19,656 | 18,998 | 3.5 |
| Unbleached Sulfate | 1,800 | 1,840 | 1,778 | 16,324 | 16,035 | 1.8 |
| Semichemical | 353 | 371 | 359 | 3,247 | 3,188 | 1.9 |
| Groundwood & Thermomechanical | 473 | 504 | 505 | 4,457 | 4,247 | 4.9 |
| TOTAL PULP DIVISION DATA | 5,006 | 5,265 | 4,924 | 45,866 | 44,517 | 3.0 |

(s) - Shipments
P - Preliminary

NOVEMBER 30, 1988

| | Full Year | | INDUSTRY DATA 1987 - 1988 | | | Ann. Rate Year - To - Date | % From Same Pd. Last Year |
|---|---|---|---|---|---|---|---|
| | | | | R | P | | |
| PAPER AND PAPERBOARD -- Tons (000) | 1986 | 1987 | August | September | October | 1988 | |
| Total Production (API).....: excluding :... | 70,889 | 74,433 | 6,608 | 6,337 | 6,465 | 77,012 | 3.6 |
| Total Seasonally Adjusted....:construction:... | | | 6,380 | 6,371 | 6,363 | 76,533 | 3.2 |
| Imports (including Products).: and wet :..E | 11,597 | 12,454 | 1,083 | 1,108 | 1,092 | 12,911 | 4.1 |
| Exports (including Products).: machine :..E | 4,593 | 5,197 | 465 | 509 | 485 | 5,753 | 10.5 |
| Apparent Consumption.....: grades :... | 77,893 a | 81,690 b | 6,998 | 6,970 | 6,970 | 83,691 c | 2.9 |
| Paper Production % Tonnage Capacity..... | 93.2 g | 94.0 | 96.6 | 96.4 | 94.8 | 96.1 | - |
| Paperboard Production % Tonnage Capacity..... | 94.3 g | 96.8 | 97.4 | 95.8 | 95.7 | 97.5 | - |
| | | | July | August | September | | |
| IMPORTS.....:Including Construction and :... | 11,936 | 12,837 | 1,075 | 1,113 | 1,142 | 13,207 | 3.7 |
| EXPORTS.....: WMB Grades (excl. HPB) :... | 4,687 | 5,304 | 440 | 475 | 520 | 5,880 | 10.2 |
| | | | July | August | September | | |
| MARKET WOOD PULP PRODUCTION - Tons (000)..... | 7,572 | 8,114 | 728 | 755 | 727 | 8,482 | 5.1 |
| TOTAL WOOD PULP PRODUCTION - Tons (000)..... | 57,005 | 59,552 | 5,219 | 5,265 | 5,006 | 61,154 | 3.0 |
| WOOD PULP IMPORTS - TONS (000)..... | 4,582 | 4,850 | 416 | 460 | 379 | 5,017 | 3.2 |
| WOOD PULP EXPORTS - TONS (000)..... | 4,458 | 4,889 | 392 | 497 | 518 | 5,487 | 12.3 |
| RAW MATERIALS CONSUMPTION - Tons (000) | | | | | | | |
| ..PAPER AND BOARD MILLS : excluding : | | | July | August | September | | |
| Wood Pulp.....:consumption for:..... | 57,061 | 59,475 | 5,160 | 5,236 | 4,927 | 60,879 | 2.7 |
| Waste Paper.....:construction & :..... | 17,285 | 18,296 | 1,525 | 1,610 | 1,537 | 18,836 | 3.5 |
| TOTAL.....: WMB grades :..... | 74,345 | 77,770 | 6,685 | 6,846 | 6,464 | 79,714 | 2.9 |
| PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn | 91,434 | 93,946 | 7,901 | 7,951 | 7,956 | 95,339 | 1.6 |
| EMPLOYMENT (000) | | | August | September | October | | |
| Paper and Allied Products.....Total..... | 673.7 | 679.0 | 693.6 | 691.0 | 691.7 | 688.5 | 1.6 |
| Pulp, Paper and Board Mills.....Total.....E | 248.1 | 244.9 | 248.6 | 243.7 | 247.7 | 246.1 | 0.5 |
| AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($) | | | August | September | October | | |
| Paper and Allied Products..... | 11.18 | 11.42 | 11.63 | 11.71 | 11.65 | 11.62 | 1.8 |
| Pulp, Paper Mills.....E | 13.63 | 14.00 | 14.28 | 14.49 | 14.35 | 14.24 | 1.9 |
| Paperboard Mills.....E | 13.98 | 14.30 | 14.49 | 14.54 | 14.50 | 14.45 | 1.3 |
| CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS | | | 1988 Q1 | 1988 Q2 | 1988 Q3 | | |
| (Rept. by US Dept. of Com., Ann. Rates, Bill.$)* | 8.77 | 9.01 | 9.96 | 11.09 | 11.34 | 11.09 Y | 23.1 |
| INDEX OF OUTPUT PER MAN-HOUR (1977=100)..... | | | August | September | October | | |
| :IN PULP, PAPER :...Production Workers..... | 131.2 | 140.1 | 146.1 | 144.7 | 143.2 | 144.2 | 3.3 |
| :AND BOARD MILLS:...All Employees..... | 128.6 | 136.7 | 142.2 | 141.3 | 139.5 | 140.8 | 3.3 |
| PAPER AND ALLIED PRODUCTS (Million $) | | | July | August | September | | |
| Industry Shipments (Dept. of Commerce)*..... | 103,916 | 118,855 | 10,485 | 10,575 | 10,670 | 127,245 | 9.2 |
| Pulp, Paper and Paperboard*..... | 44,033 | 51,518 | 4,703 | 4,709 | 4,699 | 57,000 | 13.6 |
| Inventories (End of Period) - Total Industry*.. | 10,429 | 11,284 | 11,530 | 11,647 | 11,819 | 11,819 | 6.9 |
| Pulp, Paper and Paperboard*..... | 4,115 | 4,266 | 4,038 | 4,116 | 4,197 | 4,197 | 0.9 |
| | | | 1987 Q4 | 1988 Q1 | 1988 Q2 | | |
| Sales (Corporations Only)..... | 74,844 | 95,576 RS | 25,088 | 25,504 | 27,227 | 105,462 | 15.2 |
| Earnings (Corporations Only)..... | 3,280 | 5,520 RS | 1,495 | 1,744 | 2,195 | 7,878 | 61.5 |
| Depreciation (Corporations Only)..... | 3,389 | 4,279 RS | 1,051 | 1,169 | 1,124 | 4,586 | 8.2 |
| Net Worth (Corporations Only)..... | 31,221 | 39,217 RS | 39,217 | 40,213 | 41,621 | 41,621 | 13.1 |
| PRICE INDEXES (Bureau of Labor Stats)1982=100 | | | August | September | October | | |
| Pulp, Paper & Products, ex. Building Grades.... | 107.5 | 114.3 | 126.3 | 127.6 | 128.2 | 124.0 | 9.0 |
| Wood Pulp..... | 94.7 | 111.6 | 141.0 | 142.3 | 145.2 | 135.0 | 22.4 |
| Waste Paper..... | 142.6 | 181.4 | 185.4 | 185.5 | 179.2 | 187.4 | 3.9 |
| Paper..... | 107.0 | 111.5 | 124.7 | 125.4 | 127.0 | 122.3 | 10.3 |
| Paperboard..... | 106.5 | 118.1 | 134.5 | 136.3 | 136.5 | 132.6 | 13.1 |
| PAPER DEMAND (INDEXED: 1977=100) | | | August | September | October | | |
| Total Paper Production *..... | 128.0 | 133.8 | 139.3 | 139.5 | 139.7 | 138.7 | 4.2 |
| Paper New Supply *..... | 133.7 | 140.6 | 145.5 | 146.5 | 146.3 | 145.1 | 3.7 |
| Demand Indicators - (Weighted Average) *..... | 146.4 | 154.5 | 165.3 | 166.1 | 166.7 | 162.8 | 5.9 |
| Production of Nondurable Goods *...(21.2%). | 130.1 | 136.8 | 145.0 | 145.3 | 145.7 | 143.2 | 5.2 |
| Disposable Income .....*.(23.9%) | 127.8 | 130.0 | 135.6 | 135.6 | 137.5 | 134.6 | 3.9 |
| Total Printing and Publishing *...(54.9%). | 160.9 | 172.0 | 186.1 | 187.4 | 187.5 | 182.7 | 6.7 |
| Trend Factor | ---------- | ---------- | ---------- | Not Available | ---------- | ---------- | ---------- |
| PAPERBOARD DEMAND (INDEXED: 1977=100) | | | | | | | |
| Total Paperboard Production *..... | 121.9 | 129.1 | 131.1 | 130.6 | 130.0 | 131.6 | 2.3 |
| Production for Domestic Use ..... | 118.7 | 126.5 | 127.7 | 128.5 | 127.4 | 128.7 | 2.3 |
| Demand Indicators - (Weighted Average) *..... | 121.9 | 125.9 | 133.7 | 133.7 | 134.2 | 131.8 | 5.2 |
| Production of Consumer Goods *...(62.06%) | 124.1 | 127.7 | 134.9 | 134.7 | 135.5 | 133.1 | 4.5 |
| Production of Equipment *...( 5.75%) | 143.7 | 148.8 | 159.9 | 160.9 | 161.7 | 158.0 | 6.7 |
| Production of Materials *...(32.19%) | 113.8 | 118.3 | 126.6 | 126.8 | 126.8 | 124.6 | 6.2 |
| Trend Factor | ---------- | ---------- | ---------- | Not Available | ---------- | ---------- | ---------- |
| NEWSPRINT MARKETS | | | July | August | September | | |
| Consumption by Publishers - Tons (000)..... | 13,158 | 13,583 | 1,067 | 1,102 | 1,127 | 13,300 | 0.4 |
| Newspaper Pub. and Printing Empl. Total(000)... | 461 | 471 | 478 | 477 | 477 | 477 | 1.8 |
| PRINTING AND FINE PAPER MARKETS | | | | | | | |
| MAGAZINE ADVERTISING PAGES (PIB, Inc.)..... | 154,317 | 162,056 | 9,451 | 10,812 | 16,102 | 156,667 | 1.4 |
| WHOLESALERS SALES AND INVENTORIES (Million $) | | | | | | | |
| Total Paper & Pap. Prdcts.,ex Wallpaper..Sales | 38,245 | 44,741 | 4,173 | 4,706 | 4,596 | 51,553 | 20.1 |
| Inventories (End of Period). | 3,577 | 3,850 | 4,308 | 4,207 | 4,191 | 4,191 | 18.4 |
| FIBRE BOX DATA (Fibre Box Association) | | | August | September | October | | |
| Fibre Box Shipments (Million square feet)..... | 283,921 | 297,827 | 27,008 | 26,063 | 27,797 | 310,842 | 3.1 |
| Container'bd Inventory at Mill & Plant(000Tons). | 2,238 | 2,486 | 2,732 | 2,673 | 2,537 | 2,537 | 5.9 |
| RETAIL TRADE (Billion $) | | | August | September | October | | |
| Total Retail Sales *..... | 1,437 | 1,509 | 135 | 134 | 136 | 1,594 | 6.1 |
| Nondurable Goods Stores Sales *..... | 899 | 954 | 85 | 85 | 86 | 993 | 4.8 |
| GENERAL ECONOMIC DATA | | | August | September | October | | |
| TOTAL INDUSTRIAL PRODUCTION (INDEX 1977 = 100)*.. | 125.1 | 129.8 | 138.4 | 138.7 | 139.2 | 136.6 | 5.8 |
| PRODUCER PRICES(ALL COMMODITIES)(INDEX 1982=100). | 100.2 | 102.8 | 108.0 | 108.1 | 108.2 | 106.6 | 3.9 |
| CONSUMER PRICES (ALL ITEMS) (INDEX 1982-4=100)... | 109.6 | 113.6 | 119.0 | 119.8 | 120.2 | 117.8 | 4.0 |
| | | | July | August | September | | |
| TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).. | 586 | 624 | 646.7 | 654.7 | 660.2 | 660.2 | 8.6 |
| GROSS NATIONAL PRODUCT - ANNUAL RATE (Billion$).. | | | 1988 Q1 | 1988 Q2 | 1988 Q3 | | |
| G.N.P. or Expenditure - Current $..... | 4,240 | 4,527 | 4,725 | 4,824 | 4,909 | 4,819 | 7.5 |
| G.N.P. or Expenditure - 1982 $..... | 3,722 | 3,847 | 3,956 | 3,985 | 4,011 | 3,984 | 4.2 |

lb/capita
Pap&Papbd Othr Totl Popul(mil)
.a - 645 + 18 = 663 241.6
.b - 670 + 17 = 687 243.9
.c - 682 + 17 = 699 245.5
.E - Last month estimated by API

P - Wood Pulp Production excludes def., explo. & scrngs.
g - Adjusted for holiday shutdowns
Q - Quarter

R - Revised
Y - Full year estim. by U.S. Dept. of Com.
RS - Revised Series
* - Seasonally Adjusted.